

Title (en)
SYSTEM FOR BATTERY PACK THERMAL MANAGEMENT

Title (de)
SYSTEM ZUR THERMISCHEN VERWALTUNG EINES BATTERIEPACKS

Title (fr)
SYSTÈME DE GESTION THERMIQUE DE BLOC-BATTERIE

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Application
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Priority
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Abstract (en)
[origin: EP4184657A1] A system for battery pack thermal management, wherein the battery pack comprising a cell stack comprising battery cells arranged in the cell stack, wherein the system comprising a cooling element arranged on a top face of the battery cells and comprising a first heat exchange surface and second heat exchange surface, wherein the cooling element comprising at least one extension arranged on the first exchange surface; the first heat exchange surface is configured to be in thermal contact with battery cell busbars and heat producing hotspot areas of a battery cell casing, the second heat exchange surface is configured to be in thermal contact with electrical circuit components of the battery pack, and thermal energy is configured to be conducted from the battery cell busbars, heat producing hotspot areas, and electrical circuit components to the cooling element. Also a battery pack and a method are disclosed.

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